IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/715,844
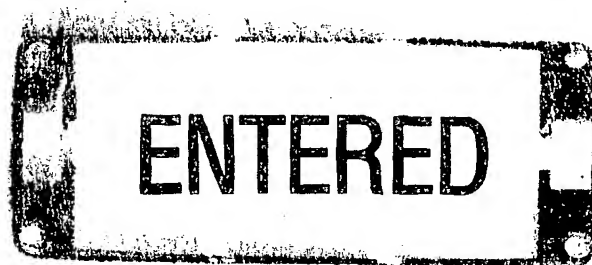
DATE: 08/20/2004
TIME: 15:04:36

Input Set : **A:\1579-869.app**
Output Set: **N:\CRF4\08202004\J715844.raw**

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 3  <110> APPLICANT: SCHWINN, DEBRA A.
 5  <120> TITLE OF INVENTION: ADRENERGIC RECEPTORS
 7  <130> FILE REFERENCE: 1579-869
 9  <140> CURRENT APPLICATION NUMBER: 10/715,844
10  <141> CURRENT FILING DATE: 2003-11-19
12  <150> PRIOR APPLICATION NUMBER: US 60/427,219
13  <151> PRIOR FILING DATE: 2002-11-19
15  <160> NUMBER OF SEQ ID NOS: 44
17  <170> SOFTWARE: PatentIn Ver. 3.2
19  <210> SEQ ID NO: 1
20  <211> LENGTH: 466
21  <212> TYPE: PRT
22  <213> ORGANISM: Homo sapiens
24  <400> SEQUENCE: 1
25  Met Val Phe Leu Ser Gly Asn Ala Ser Asp Ser Ser Asn Cys Thr Gln
26  1               5                   10                  15
28  Pro Pro Ala Pro Val Asn Ile Ser Lys Ala Ile Leu Leu Gly Val Ile
29              20                  25                  30
31  Leu Gly Gly Leu Ile Leu Phe Gly Val Leu Gly Asn Ile Leu Val Ile
32          35                  40                  45
34  Leu Ser Val Ala Cys His Arg His Leu His Ser Val Thr His Tyr Tyr
35      50                  55                  60
37  Ile Val Asn Leu Ala Val Ala Asp Leu Leu Leu Thr Ser Thr Val Leu
38  65                  70                  75                  80
40  Pro Phe Ser Ala Ile Phe Glu Val Leu Gly Tyr Trp Ala Phe Gly Arg
41                  85                  90                  95
43  Val Phe Cys Asn Ile Trp Ala Ala Val Asp Val Leu Cys Cys Thr Ala
44              100                 105                 110
46  Ser Ile Met Gly Leu Cys Ile Ile Ser Ile Asp Arg Tyr Ile Gly Val
47              115                 120                 125
49  Ser Tyr Pro Leu Arg Tyr Pro Thr Ile Val Thr Gln Arg Arg Gly Leu
50      130                 135                 140
52  Met Ala Leu Leu Cys Val Trp Ala Leu Ser Leu Val Ile Ser Ile Gly
53  145                 150                 155                 160
55  Pro Leu Phe Gly Trp Arg Gln Pro Ala Pro Glu Asp Glu Thr Ile Cys
56                  165                 170                 175
58  Gln Ile Asn Glu Glu Pro Gly Tyr Val Leu Phe Ser Ala Leu Gly Ser
59              180                 185                 190
61  Phe Tyr Leu Pro Leu Ala Ile Ile Leu Val Met Tyr Cys Arg Val Tyr
62              195                 200                 205
64  Val Val Ala Lys Arg Glu Ser Arg Gly Leu Lys Ser Gly Leu Lys Thr
65      210                 215                 220
67  Asp Lys Ser Asp Ser Glu Gln Val Thr Leu Arg Ile His Arg Lys Asn
```

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```
68  225                   230                   235                   240
70  Ala Pro Ala Gly Gly Ser Gly Met Ala Ser Ala Lys Thr Lys Thr His
71                245                   250                   255
73  Phe Ser Val Arg Leu Leu Lys Phe Ser Arg Glu Lys Lys Ala Ala Lys
74                260                   265                   270
76  Thr Leu Gly Ile Val Val Gly Cys Phe Val Leu Cys Trp Leu Pro Phe
77            275                   280                   285
79  Phe Leu Val Met Pro Ile Gly Ser Phe Phe Pro Asp Phe Lys Pro Ser
80          290                   295                   300
82  Glu Thr Val Phe Lys Ile Val Phe Trp Leu Gly Tyr Leu Asn Ser Cys
83  305                   310                   315                   320
85  Ile Asn Pro Ile Ile Tyr Pro Cys Ser Ser Gln Glu Phe Lys Lys Ala
86                325                   330                   335
88  Phe Gln Asn Val Leu Arg Ile Gln Cys Leu Arg Arg Lys Gln Ser Ser
89                340                   345                   350
91  Lys His Ala Leu Gly Tyr Thr Leu His Pro Pro Ser Gln Ala Val Glu
92                355                   360                   365
94  Gly Gln His Lys Asp Met Val Arg Ile Pro Val Gly Ser Arg Glu Thr
95          370                   375                   380
97  Phe Tyr Arg Ile Ser Lys Thr Asp Gly Val Cys Glu Trp Lys Phe Phe
98  385                   390                   395                   400
100 Ser Ser Met Pro Arg Gly Ser Ala Arg Ile Thr Val Ser Lys Asp Gln
101               405                   410                   415
103 Ser Ser Cys Thr Thr Ala Arg Val Arg Ser Lys Ser Phe Leu Gln Val
104               420                   425                   430
106 Cys Cys Cys Val Gly Pro Ser Thr Pro Ser Leu Asp Lys Asn His Gln
107           435                   440                   445
109 Val Pro Thr Ile Lys Val His Thr Ile Ser Leu Ser Glu Asn Gly Glu
110     450                   455                   460
112 Glu Val
113 465
116 <210> SEQ ID NO: 2
117 <211> LENGTH: 12
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 2
122 caatcagatt tg                                                  12
125 <210> SEQ ID NO: 3
126 <211> LENGTH: 12
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 3
131 tttgtcatat tt                                                  12
134 <210> SEQ ID NO: 4
135 <211> LENGTH: 12
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 4
140 tatttaaaac ac                                                  12
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143 <210> SEQ ID NO: 5
144 <211> LENGTH: 11
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 5
149 tacaaatgac t                                        11
152 <210> SEQ ID NO: 6
153 <211> LENGTH: 12
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 6
158 gaggaaaaca tt                                       12
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 11
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 7
167 tcagcgagag c                                        11
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 13
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 8
176 tttttaaaaa atg                                      13
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 14
181 <212> TYPE: DNA
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 9
185 gacatcagtg gtgg                                     14
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 13
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 10
194 ggggtgagtc agc                                      13
197 <210> SEQ ID NO: 11
198 <211> LENGTH: 11
199 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 11
203 ggtccgcatc c                                        11
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 13
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 12
212 cctcccccgc cgt                                      13
215 <210> SEQ ID NO: 13
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        Input Set : A:\1579-869.app
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216 <211> LENGTH: 12
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 13
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224 <210> SEQ ID NO: 14
225 <211> LENGTH: 11
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 14
230 cctgccgagt c                                         11
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 11
235 <212> TYPE: DNA
236 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 15
239 ctgtcgcttg c                                         11
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 13
244 <212> TYPE: DNA
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 16
248 gaaaggcgtc atg                                       13
251 <210> SEQ ID NO: 17
252 <211> LENGTH: 12
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 17
257 ggcgtcatgg ac                                        12
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 13
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 18
266 tggctctcaa gcc                                       13
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 12
271 <212> TYPE: DNA
272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 19
275 gccagcttgg ct                                        12
278 <210> SEQ ID NO: 20
279 <211> LENGTH: 11
280 <212> TYPE: DNA
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 20
284 gagaatgagc g                                         11
287 <210> SEQ ID NO: 21
288 <211> LENGTH: 11
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      \   Input Set : **A:\1579-869.app**
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```
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 21
293 ctcaaaatgt a                                          11
296 <210> SEQ ID NO: 22
297 <211> LENGTH: 10
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 22
302 ggaattgcat                                            10
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 12
307 <212> TYPE: DNA
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 23
311 tttaatgccc tg                                         12
314 <210> SEQ ID NO: 24
315 <211> LENGTH: 14
316 <212> TYPE: DNA
317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 24
320 agcccgggag gtgg                                       14
323 <210> SEQ ID NO: 25
324 <211> LENGTH: 13
325 <212> TYPE: DNA
326 <213> ORGANISM: Homo sapiens
328 <400> SEQUENCE: 25
329 ctctcgggaa atg                                        13
332 <210> SEQ ID NO: 26
333 <211> LENGTH: 13
334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 26
338 cactctccct ggt                                        13
341 <210> SEQ ID NO: 27
342 <211> LENGTH: 14
343 <212> TYPE: DNA
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 27
347 ggctggaggc agcc                                       14
350 <210> SEQ ID NO: 28
351 <211> LENGTH: 10
352 <212> TYPE: DNA
353 <213> ORGANISM: Homo sapiens
355 <400> SEQUENCE: 28
356 ccatcatcct                                            10
359 <210> SEQ ID NO: 29
360 <211> LENGTH: 14
361 <212> TYPE: DNA
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/20/2004
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Input Set : A:\1579-869.app
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:38; N Pos. 7608,7653,7836,7875
Seq#:39; N Pos. 1496,1497,1616,1653,1656,1663,1684,1686,1779,1808
Seq#:41; N Pos. 6,26,30,32,37,39,40,41,50,52,65,73,85,108,111,143,163,168
Seq#:41; N Pos. 230,1231,1232,1518,1536,1550,1567,1576,1601,1621,1624,1631
Seq#:41; N Pos. 1654,1670,1675,1686,1687,1691
Seq#:43; N Pos. 11,16,26,29,34,40,42,123,130,171,209

VERIFICATION SUMMARY   DATE: 08/20/2004
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```
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:7560
M:341 Repeated in SeqNo=38
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:1481
M:341 Repeated in SeqNo=39
L:799 M:283 W: Missing Blank Line separator, <220> field identifier
L:960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
M:341 Repeated in SeqNo=41
L:1104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
M:341 Repeated in SeqNo=43
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